

ABSTRACT

SHEAR-STRESS MICROSENSOR AND SURGICAL INSTRUMENT END TOOL

5 The invention relates to an end tool for a surgical
instrument, comprising a tool-holder support (1) made from
a rigid material including a flat face (2) or base layer
adapted to support a tool, and a surgical tool (11) formed
by a stack of elementary layers adapted to be firmly joined
10 to one another so as to form a functional tool unit that
can be positioned on and firmly joined to the base layer
(2) of the tool-holder support. The surgical tool includes
at least one electronic layer (20) which is made using
electronics and microelectronics technology and
15 incorporates integrated connections to an electronic and/or
light and/or fluid power source, and at least one
electronic component (21, 22, 23) for measuring and/or
actuating and/or supplying power, and an upper functional
layer (33) having a form which is designed to ensure the
20 operation of the tool.